

A. CLASSIFICATION OF SUBJECT MATTER

C12N 15/85(2006.01)i, C12N 15/00(2006.01)i, C12N 15/63(2006.01)i, C07H 21/02(2006.01)i, A01H 5/00(2006.01)i

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC8 C12N 15/85, C12N 15/63, C12N 15/00, C12N 5/00, A01K 33/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean Patents and Applications for Inventions since 1975

Korean Utility Models and Applications for Utility Models since 1975

Japanese Utility Models and Applications for Utility Models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKIPASS, WPI, USPTO, PAJ, NCBI, CAPLUS(STN), INSPECT "gene, targeting, vector, homologous recombination, Somatic Cell Nuclear Transfer, SCNT, bovine, animal, eukaryotic, casein, milk, exogenous, target, protein, producing, mammary, gland etc."

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	Sheng Wu Gong Cheng Xue Bao (Shen, W., CN) May 2004 - see the abstract	1-13
Y	US 5741957 A (Dehoer, IIA., et al., US) 21 Apr 1998 - see abstract, claims - see col.3, 1.43~col.15, 1.55, (no patent family)	1-13
Y	US 6180761 A1 (Han, S., KR) 30 Jan 2001 - see col.3, 11.60~.67	1-13
Y	US 2003/0024002 A1 (Colman, A., US) 30 Jan 2003 - see the entire document	1-13
A	US 2004/0168208 A2 (Karatzas, C., et al., CA) 26 Aug 2004 - see abstract, claims - see [0028], [0107]~[0147] (no patent family)	1-13
A	US 6713662 B1 (Karatzas, CN., et al., NL) 30 Mar 2004 - see the entire document (especially col.9, 11.11~22)	1-13

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"I" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

15 FEBRUARY 2006 (15.02.2006)

Date of mailing of the international search report

16 FEBRUARY 2006 (16.02.2006)

Name and mailing address of the ISA/KR



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INTERNATIONAL SEARCH REPORT
WO 2006/057499
 information on patent family members

Intern: **PCT/KR2005/003923**
PCT/KR2005/003923

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US06180761	30.01.2001	AU 4401397 A1 KR 1019980023846 A WO 98/12222A1	14 Apr 1998 06 Jul 1998 26 Mar 1998
US 20030024002 A1	30 Jan 2003	AU 200029267 A1 CA 2361943 A1 EP 01159415 A2 NZ 514620 A US 06701327 A WO 00/51424 A2	21 Sep 2000 08 Sep 2000 05 Dec 2001 30 Apr 2004 02 Mar 2004 08 Sep 2000
US 06713662 A	30 Mar 2004	AU 3204795 A1 EP 0772404 A1 JP 10504715 T2 KR 1019970704874 A NZ 291042 A WO 96/03051 A1	22 Feb 1996 14 May 1997 12 May 1998 06 Sep 1997 23 Dec 1998 08 Feb 1996